



WHAT IS CLAIMED IS:

1. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface, the vehicle compartment having plural opposed surfaces and a lower horizontal surface, comprising:
a base having a base support and a base surface;
said base comprising a horizontal channel and a vertical socket and a vertical channel;
said base surface of said base being located on the lower horizontal surface of the vehicle compartment;
~~a first and a second telescoping shaft having a first and a second distal end with an intermediated portion of said telescoping shaft being secured relative to the base;~~
a horizontal telescoping shaft having a first and second distal end;
said horizontal channel of said base slidably receiving said horizontal telescoping shaft for adjusting the position of said base relative to each of said distal ends of said horizontal telescoping shaft to position said base at the desired location within the vehicle compartment;
said horizontal channel having a locking mechanism for securing the position of base to said horizontal telescoping shaft;
~~an expander coacting between said first and second distal ends of said telescoping shaft for applying an expanding force between said first and second distal~~

~~ends to engage the opposed surfaces of the vehicle compartment for stabilizing said base within the vehicle compartment;~~

a horizontal expander located between said first and second distal ends of said horizontal telescoping shaft for applying a horizontal engaging force between said first and second distal ends and the opposed vertical surfaces of the vehicle compartment for horizontally stabilizing said base within the vehicle compartment;

a vertical telescoping shaft having a distal end;

said vertical socket of said base slidably receiving said vertical telescoping shaft;

said vertical socket having a locking mechanism for securing said base to said vertical telescoping shaft;

a vertical expander located between said base surface and said distal end of said vertical telescoping shaft for applying a vertical engaging force between the lower and upper horizontal surface of the vehicle compartment for vertically stabilizing said base within the vehicle compartment;

~~a column extending from said base; and~~

said vertical channel of said base slidably receiving said column; and

a boom mounted on said column to reposition the load between the vehicle compartment and the external surface.

2. (Currently Amended) A hoist to reposition a load between a vehicle compartment and an external surface, the vehicle compartment having plural opposed vertical surfaces and lower and upper horizontal surface, comprising:

a base having a base support and a base surface;
said base surface of said base being located on the lower horizontal surface of the vehicle compartment;
a horizontal telescoping shaft secured to said base having a first and second distal end;
a horizontal expander located ~~coacting~~ between said first and second distal ends of said horizontal telescoping shaft for applying a horizontal engaging force between said first and second distal ends and the opposed vertical surfaces of the vehicle compartment for horizontally stabilizing said base within the vehicle compartment;
a vertical telescoping shaft secured to said base having a distal end;
a vertical expander located ~~coacting~~ between said base surface and said distal end of said vertical telescoping shaft for applying a vertical engaging force between the lower and upper horizontal surface of the vehicle compartment for vertically stabilizing said base within the vehicle compartment;
a column extending from said base; and
a boom mounted on said column to reposition the load between the vehicle compartment and the external surface.

3. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base surface of said

base being located on the vehicle compartment comprises a bottom horizontal surface of an automobile trunk compartment.

4. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base surface of said base being located on the vehicle compartment comprises a bottom horizontal surface of a ~~an~~ van compartment.
5. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said boom mounted on said column to reposition a personal mobility vehicle between the vehicle compartment and the external surface ~~the load comprises a personal mobility vehicle.~~
6. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base comprises a horizontal channel to slidably receive said horizontal telescoping shaft for adjusting the position of said base relative to each of said distal ends of said horizontal telescoping shaft to position said base at the desired location within the vehicle compartment; and
said horizontal channel having a locking mechanism for securing the position of
base to said horizontal telescoping shaft.

7. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base comprises a vertical socket to slidably receive said vertical telescoping shaft; and
said vertical socket having a locking mechanism for securing said base to said vertical telescoping shaft.
8. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base comprises a plurality of vertical sockets to slidably receive said vertical telescoping shaft for accommodating various locations of said base such that said distal end of said vertical telescoping shaft will engage with the upper horizontal surface of the vehicle compartment; and
said plurality of vertical sockets having a locking mechanism for securing said base to said vertical telescoping shaft.
9. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base comprises a vertical channel to slidably receive said column; and
said vertical channel having an interior pin to align and restrict the rotation of said column.
10. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said horizontal telescoping shaft

comprises a plurality of hollow tubes each with differing diameters such that all of said hollow tubes will either extract or retract into the other said hollow tubes to either lengthen or shorten the overall length of said hollow tubes;
said plurality of hollow tubes having a plurality of thru holes along the length of
said plurality of hollow tubes; and
a mechanical fastener passing through said plurality of thru holes to secure said
plurality of hollow tubes.

11. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said horizontal expander comprises a first and second plate pivotally secured to a first and second threaded shaft respectively;
a first and second threaded receptacle engaged with said first and second distal ends of said horizontal telescoping shaft such that said first and second threaded receptacle rotate about the first and second distal ends of said horizontal telescoping shaft;
said first and second threaded shaft threadably engaged with said first and second threaded receptacle, respectively; and
said rotation of said first and second threaded receptacle will cause said first and second plate to expand outward to apply a horizontal engaging force between said first and second distal ends and the opposed vertical surfaces of the vehicle compartment for horizontally stabilizing said base within the vehicle compartment.

12. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said vertical telescoping shaft comprises a plurality of hollow tubes each with differing diameters such that all of said hollow tubes will either extract or retract into the other said hollow tubes to either lengthen or shorten the overall length of said hollow tubes; said plurality of hollow tubes having a plurality of thru holes along the length of said plurality of hollow tubes; and a mechanical fastener passing through said plurality of thru holes to secure said plurality of hollow tubes.

13. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said vertical expander comprises a ~~third~~ plate pivotally secured to a ~~third~~ threaded shaft; a ~~third~~ threaded receptacle engaged with said distal end of said vertical telescoping shaft such that said ~~third~~ threaded receptacle rotate about the ~~third~~ distal end of said vertical telescoping shaft; said ~~third~~ threaded shaft threadably engaged with said ~~third~~ threaded receptacle; and said rotation of said ~~third~~ threaded receptacle will cause said ~~third~~ plate to expand outward to apply an vertical engaging force between the lower and upper horizontal surface of the vehicle compartment for vertically stabilizing said base within the vehicle compartment.

14. (Original) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said horizontal expander and said vertical expander stabilize said base in three dimensions within the vehicle compartment.

15. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said base comprises a vertical channel to slidably receive said column;

said column comprises a first and second distal end;

said first distal end having a vertical groove to communicate with a interior pin of

said vertical channel for aligning said column relative to said base;

said first distal end having a horizontal groove to communicate with said interior

pin of said vertical channel for restricting the rotation of said column

relative to said base;

said second distal end having a collar secured to said column;

said collar having a top and bottom edge; and

said top edge of said collar having a notch to align and restrict the rotation of said

boom.

16. (Currently amended) A hoist to reposition a load between a vehicle compartment and an external surface as set forth in claim 2, wherein said column comprises a first and second distal end;

said second distal end of said column having a collar secured to said column;

said collar having a top and bottom edge;

said top edge of said collar having a notch to align and restrict the rotation of said boom;

said boom comprises a first and second distal end;

said first distal end of said boom having a vertical sleeve channel to slidably receive said collar of said column;

~~said vertical channel having a vertical groove to communicate with said notch of said collar to align and restrict the rotation of said boom;~~

said second distal end of said boom having a telescoping shaft for extending the overall length of said boom;

said telescoping shaft having a first and second distal end;

said telescoping shaft having a plurality of thru holes along the length of said telescoping shaft;

said first distal end of said telescoping shaft inserted into the interior of said boom and a mechanical fastener passing through said plurality of thru holes to secure said boom relative to said telescoping shaft; and

a winch secured to said second distal end of said telescoping shaft to reposition the load between the vehicle compartment and the external surface.

17. (Currently amended) A hoist to reposition a load between an automobile trunk and an external surface, the automobile trunk having plural opposed vertical surfaces and lower and upper horizontal surface, comprising:

a base having a base support and a base surface;
 said base surface of said base being located on the lower horizontal surface of the
 vehicle compartment;
 a horizontal telescoping shaft secured to said base having a first and second distal
 end;
 a horizontal jack screw located ~~coacting~~ between said first and second distal ends
 of said horizontal telescoping shaft for applying an horizontal engaging
 force between said first and second distal ends and the opposed vertical
 surfaces of the automobile trunk for horizontally stabilizing said base
 within the automobile trunk;
 a vertical telescoping shaft secured to said base having a distal end;
 a vertical jack screw located ~~coacting~~ between said base surface and said distal
 end of said vertical telescoping shaft for applying a vertical engaging force
 between the lower and upper horizontal surface of the automobile trunk
 for vertically stabilizing said base within the automobile trunk;
 a column extending from said base; and
 a boom mounted on said column to reposition the load between the automobile
 trunk and the external surface.

18. (Currently amended) A hoist to reposition a personal mobility vehicle between an automobile trunk and an external surface, the automobile trunk having plural opposed vertical surfaces and lower and upper horizontal surface, comprising:
 a base having a base support and a base surface;

said base surface of said base being located on the lower horizontal surface of the vehicle compartment;

a horizontal telescoping shaft secured to said base having a first and second distal end;

a horizontal jack screw located ~~coacting~~ between said first and second distal ends of said horizontal telescoping shaft for applying an horizontal engaging force between said first and second distal ends and the opposed vertical surfaces of the automobile trunk for horizontally stabilizing said base within the automobile trunk;

a vertical telescoping shaft secured to said base having a distal end;

said base comprises a plurality of vertical sockets to slidably receive said vertical telescoping shaft for accommodating various locations of said base such that said distal end of said vertical telescoping shaft will engage with the upper horizontal surface of the vehicle compartment;

a vertical jack screw located ~~coacting~~ between said base surface and said distal end of said vertical telescoping shaft for applying a vertical engaging force between the lower and upper horizontal surface of the automobile trunk for vertically stabilizing said base within the automobile trunk;

a column extending from said base; and

a boom mounted on said column to reposition the personal mobility vehicle between the automobile trunk and the external surface.